

SN 10/821,235  
Docket No. S-100,604  
In Response to Office Action dated May 30, 2006.

#### REMARKS

The Office Action has been carefully reviewed. Reconsideration and allowance of the claims in light of the foregoing amendments is respectfully requested.

Claims 1-6 stand rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claimed invention must produce a "useful, concrete, and tangible result." State Street, 149 F.3d at 1373, 47 USPQ2d at 1601-02. The Office Action stated that claims 1-6 merely claim a series of steps without producing a "useful, concrete, and tangible result." In order to overcome the rejection, claim language should be added that includes outputting, displaying, storing or otherwise conveying the result of the previous method steps.

The Office Action further stated that claims 1-6 would be allowable if rewritten to overcome the 35 U.S.C. 101 rejection.

Accordingly, applicant has amended claim 1 to include the step of "outputting a modified electron density map". Additionally, a new claim 7 has been added that includes the further step of "combining the modified electron density map with the experimental electron density map to provide a new electron density map having improved quality". Support for these amendments can be generally found at pages 30 through 32 of the specification.

In view of the foregoing amendments and remarks, claims 1-6 are submitted to now be allowable. If the Examiner believes there are any unresolved issues despite this amendment, the Examiner is urged to contact the applicants' attorney undersigned below for a telephonic interview to resolve any such issue. A favorable action is solicited.

Respectfully submitted,

Date: August 11, 2006

  
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Signature of Attorney

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